

I claim

1. A fingerprint identification apparatus, comprising

a contact image sensor (CIS) module;

a keyswitch having a transparent plate for finger-tactility and the

5 keyswitch having relative movement with respect to the CIS module;

a restoring means arranged on the keyswitch to provide restoring force to the keyswitch.

2. The fingerprint identification apparatus as in claim 1, wherein the CIS
10 module is fixedly arranged on a base and the keyswitch is slidably fit on the base.

3. The fingerprint identification apparatus as in claim 1, wherein the CIS
module is movably arranged on a base; a link means composed of at least two
link rod sets provided between the keyswitch and the base; the CIS module
connected with the link rod sets; the keyswitch having vertical movement such
15 that the link rod sets link the CIS module to move in horizontal direction.

4. The fingerprint identification apparatus as in claim 1, wherein the CIS
module is movably arranged on a base; a link means composed of a plurality of
wedges being provided between the keyswitch and the base; the keyswitch
having vertical movement such that the wedges link the CIS module to move in
20 horizontal direction.

5. The fingerprint identification apparatus as in claim 4, wherein a guiding
stage is provided on the keyswitch and a guiding rod is provided on the base,
the guiding rod being slidably fit into the guiding stage.

6. The fingerprint identification apparatus as in claim 1, wherein the

keyswitch is wholly composed of the transparent plate or partially composed of the transparent plate.

7. The fingerprint identification apparatus as in claim 1, wherein the transparent plate further has a scale ruler to measure the fingerprint size.

5 8. The fingerprint identification apparatus as in claim 1, wherein the restoring means is made of resilient element.

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